BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads and drains in Chikkadinne Attur Village and Surrounding areas in Ward No. 03

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount In Rs
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For RCC Drain	Cum							
	Chikkadinne Attur								
	7th cross		2	120.00	1.10	0.90	237.60		
	1st Main, Left Side		2	64.00	1.10	0.90	126.72		
	2nd Main, Left Side		2	62.00	1.10	0.90	122.76		
	3nd Main, Left Side		2	60.00	1.10	0.90	118.80		
	4th Main, Left Side		2	65.00	1.10	0.90	128.70		
	5th Main, Left Side		1	53.00	1.10	0.90	52.47		
	2nd Main,Right Side		2	110.00	1.10	0.90	217.80		
	4th Main,Right Side		2	118.00	1.10	0.90	233.64		
	For RCC Culvert		2	4.60	1.40	1.00	12.88		
			1	5.00	1.60	1.05	8.61		
							1259.98	215.28	**271248.49**
	Basic Rate Rs.=	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
2	KSRRB M2100-10 Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P No-222,I No-27.18)								
	For Drain	Cum							
	Chikkadinne Attur								
	7th cross		2	120.00	1.10	0.15	39.60		
	1st Main, Left Side		2	64.00	1.10	0.15	21.12		
	2nd Main, Left Side		2	62.00	1.10	0.15	20.46		
	3nd Main, Left Side		2	60.00	1.10	0.15	19.80		
	4th Main, Left Side		2	65.00	1.10	0.15	21.45		
	5th Main, Left Side		1	53.00	1.10	0.15	8.75		
	2nd Main,Right Side		2	110.00	1.10	0.15	36.30		
	4th Main,Right Side		2	118.00	1.10	0.15	38.94		
	For RCC Culvert		2	4.60	1.40	0.15	1.93		
			1	5.00	1.60	0.15	1.20		
							209.55	5421.90	**1136142.88**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S R 2018-19)								
	For RCC Drain	Cum							
	Chikkadinne Attur								
	Bottom slab		2	120.00	0.90	0.15	32.40		
	7th cross		2	64.00	0.90	0.15	17.28		
	1st Main, Left Side								

Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	2nd Main, Left Side		2	62.00	0.90	0.15	16.74		
	3nd Main, Left Side		2	60.00	0.90	0.15	16.20		
	4th Main, Left Side		2	65.00	0.90	0.15	17.55		
	5th Main, Left Side		1	53.00	0.90	0.15	7.16		
	2nd Main,Right Side		2	110.00	0.90	0.15	29.70		
	4th Main,Right Side		2	118.00	0.90	0.15	31.86		
	side walls								
	7th cross								
	1st Main, Left Side		4	120.00	0.15	0.60	43.20		
	2nd Main, Left Side		4	64.00	0.15	0.60	23.04		
	3nd Main, Left Side		4	62.00	0.15	0.60	22.32		
	4th Main, Left Side		4	60.00	0.15	0.60	21.60		
	5th Main, Left Side		4	65.00	0.15	0.55	21.45		
	2nd Main,Right Side		2	53.00	0.15	0.55	8.75		
	4th Main,Right Side		4	110.00	0.15	0.60	39.60		
			4	118.00	0.15	0.60	42.48		
	For RCC Culvert						**391.32**		
	Raft								
			2	4.60	1.20	0.20	2.21		
	side walls		1	5.00	1.50	0.20	1.50		
			4	4.60	0.20	0.50	1.84		
			2	5.00	0.20	0.50	1.00		
							6.55		
					Net Qty		**397.87**	7070.20	**2813006.33**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
4	KSRRB - M2300-14. Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Steel For Drain	Tonne		391.32		--	27.39		
	Steel For Culvert			6.55		--	0.59		
							27.98	73992.24	**2070430.14**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	Chikkadinne Attur								
	7th cross		2	120.00	0.75	--	180.00		
	1st Main, Left Side		2	64.00	0.75	--	96.00		
	2nd Main, Left Side		2	62.00	0.75	--	93.00		
	4th Main, Left Side		2	65.00	0.75	--	97.50		
	5th Main, Left Side		1	48.00	0.75	--	36.00		
	2nd Main,Right Side		2	110.00	0.75	--	165.00		
	4th Main,Right Side		2	118.00	0.75	--	177.00		
							844.50	2337.00	**1973596.50**
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Culvert Slabs	Sqm	2	4.60	1.20	--	**11.04**		
			1	5.00	1.50	--	**7.50**		
							18.54	5418.00	**100449.72**
							Sub Total 1 Rs.		**8364873.46**

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Add GST @ 12%								1003784.81
	Add KRIDL @ 4%								334594.94
	DPR & PMC Charges including GST								196000.00
								Sub Total 2 Rs.	9899253.21
	Miscellaneous & Rounding off								746.79
								Total Rs.	9900000.00

CERTIFICATE:

1. The work spot has been inspected by me and the work is found to be necessary
2. The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2018-2019.
3. The Provisions made in the estimate are quite necessary and adequate
4. The area comes with in the BBMP limits.

Assistant Engineer
Ward 03
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

Administrative Sanction for Rs. ...99.00 Lakhs
....Ninety....Nine....Lakhs....only....
.....
is accorded under head P-3729....2018-19
.Chief....Minister....Nava nagarothana
.....grant.....
Registered as CE No. ... dt. ...
to conditional no. ...
No EE/YNK/AS/38/2019-20 28/10/2019

Executive Engineer

Technical Sanction
Accorded For R.S.S.R. Laid already
Head of A/C....P3729....
CER NO :..126..... Dt:28.10.2019

TA I CE (YNK)

CLIENT:
BRUHAT BANGALORE MAHANAGARA PALIKE

CONSULTANT:-
Silicon Consulting Engineers
#S1317, 4th CROSS BEL
2nd STAGE BHARATH NAGAR
BANGALORE 560 091
E-mail :siliconcivilengineers@gmail.com

Assistant Engineer / Assistant Executive Engineer

Executive Engineer

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

Dwg Title:
ಬ.ಬ.ಮ.ಪಾ. ಬೆಂಗಳೂರು-106
Improvements To Roads and Drains in Chikkadinne Attur Village and Surrounding areas in Ward No-03

Scale: N.T.S
Date
Dwg no:
Rev: R0